

09261000 GREEN RIVER NEAR JENSEN, UT

LOCATION.--Lat 40°24'34", long 109°14'05", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 5, T. 5 S., R. 24 E., Uintah County, Hydrologic Unit 14060001, Dinosaur National Monument, on right bank 300 ft upstream from highway bridge, 1 mi downstream from Cub Creek and Chew Ranch, 4 mi southeast of Dinosaur National Monument headquarters, 6.5 mi northeast of Jensen, 12 mi upstream from Brush Creek, and 313.9 mi from mouth.

DRAINAGE AREA.--29,660 mi², approximately, including about 4,260 mi², which probably is noncontributing. This noncontributing area includes 3,959 mi² in Great Divide Basin in southern Wyoming.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1903 to December 1904, June to August 1905 (gage heights only), March to September 1906, July to October 1914, August to December 1915, October 1946 to current year. Prior to October 1946, published as "at Jensen," except October to December 1903, which was published as "near Vernal."

REVISED RECORDS.--WSP 1243: 1904(m). WDR UT-73: 1972. WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,758 ft above NGVD of 1929, from river-profile map. Prior to October 1, 1946, nonrecording gages at site 15 mi downstream at different datums. December 13, 1946 to September 30, 1948, water-stage recorder at present site at datum 1.50 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Transbasin diversions and diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234500) 93.1 mi upstream beginning November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,000 ft³/s, May 18, 1984; gage height, 14.66 ft; minimum observed, 102 ft³/s, Dec 6, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,400 ft³/s, Jun 3, gage height, 9.70 ft; minimum daily discharge, 918 ft³/s, Oct 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	918	1,140	1,110	1,260	1,290	2,410	1,880	6,430	18,900	3,170	1,050	1,030
2	972	1,150	1,140	1,190	1,370	1,930	1,780	6,470	18,900	3,000	1,050	1,020
3	1,020	1,150	1,180	1,220	1,390	1,410	1,840	5,770	19,000	2,860	1,120	1,020
4	1,020	1,170	1,250	1,210	1,260	1,630	2,420	5,050	18,400	2,680	1,110	1,020
5	1,020	1,160	1,340	1,240	1,330	1,460	3,090	4,800	15,300	2,510	1,080	1,010
6	1,040	1,160	1,400	1,210	1,270	1,280	3,010	5,090	12,700	2,360	1,080	1,030
7	1,020	1,180	1,360	1,190	1,200	1,300	2,550	5,230	10,600	2,220	1,080	1,040
8	1,110	1,200	1,310	1,190	1,440	1,490	2,310	4,930	8,890	2,100	1,050	1,020
9	1,140	1,230	1,200	1,160	1,630	1,560	2,190	4,600	7,900	1,930	1,040	999
10	1,140	e1,220	1,160	1,130	1,600	1,630	2,050	4,600	7,240	1,820	1,020	1,010
11	1,110	1,210	1,110	1,230	1,630	1,740	1,930	4,700	7,290	1,740	1,040	1,040
12	1,240	1,200	1,110	1,180	1,490	2,070	1,950	4,840	7,510	1,630	1,010	1,040
13	1,110	1,220	1,110	1,140	1,290	2,440	2,520	4,390	8,220	1,560	995	1,070
14	1,120	1,260	1,130	1,130	1,360	2,620	3,250	4,070	7,820	1,470	991	1,080
15	1,110	1,270	1,170	1,120	1,480	2,750	3,720	4,290	6,860	1,410	974	1,140
16	1,110	1,240	1,180	1,110	1,350	2,940	4,400	5,410	6,670	1,370	959	1,200
17	1,120	1,240	1,250	1,150	1,410	3,240	5,060	7,160	6,560	1,300	990	1,180
18	1,110	1,260	1,260	1,140	1,650	3,320	4,900	8,730	6,380	1,300	995	1,170
19	1,090	1,240	1,230	1,130	1,720	3,080	4,330	10,400	5,790	1,280	993	e1,150
20	1,090	1,230	1,100	e1,150	1,750	2,690	4,050	12,700	5,430	1,240	995	1,120
21	1,080	1,200	1,150	e1,150	1,590	2,370	3,980	14,300	5,330	1,220	1,000	1,100
22	1,070	1,240	1,100	e1,160	1,490	2,100	3,610	14,000	5,370	1,220	1,000	1,080
23	1,080	1,260	1,120	e1,160	1,400	1,980	3,530	13,800	5,050	1,230	1,010	1,060
24	1,180	1,300	998	e1,170	1,310	2,000	3,770	14,200	4,670	1,240	1,040	1,280
25	1,230	1,290	1,020	e1,170	1,430	2,200	4,410	15,100	4,520	1,240	1,120	1,350
26	1,240	1,250	1,030	1,180	1,600	2,320	4,820	16,300	4,320	1,290	1,070	1,140
27	1,130	1,110	1,010	1,160	1,730	2,770	5,750	17,100	3,970	1,200	1,040	1,130
28	1,120	1,120	1,250	1,180	1,880	2,430	6,900	17,000	3,670	1,220	1,030	1,110
29	1,160	1,080	1,270	1,210	---	2,270	6,790	17,100	3,380	1,130	1,020	1,100
30	1,150	1,110	1,240	1,220	---	2,180	6,350	17,800	3,290	1,100	1,010	1,110
31	1,160	---	1,180	1,260	---	2,040	---	18,600	---	1,070	1,020	---
TOTAL	34,210	36,090	36,468	36,500	41,340	67,650	109,140	294,960	249,930	52,110	31,982	32,849
MEAN	1,104	1,203	1,176	1,177	1,476	2,182	3,638	9,515	8,331	1,681	1,032	1,095
MAX	1,240	1,300	1,400	1,260	1,880	3,320	6,900	18,600	19,000	3,170	1,120	1,350
MIN	918	1,080	998	1,110	1,200	1,280	1,780	4,070	3,290	1,070	959	999
AC-FT	67,860	71,580	72,330	72,400	82,000	134,200	216,500	585,100	495,700	103,400	63,440	65,160

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2003, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
2,132	5,020	(1983)	2,216	344	(1964)
4,833	(1983)	(1964)	4,414	590	(1963)
(1987)	(1987)	(1963)	(1987)	527	(1963)
(1985)	(1985)	(1955)	(1985)	598	(1955)
(1986)	(1986)	(1955)	(1986)	721	(1955)
(1986)	(1986)	(1963)	(1986)	946	(1963)
(1962)	(1962)	(1963)	(1962)	2,036	(1963)
(1984)	(1984)	(1990)	(1984)	4,220	(1990)
(1957)	(1957)	(2002)	(1957)	2,505	(2002)
(1983)	(1983)	(1963)	(1983)	504	(1963)
(1983)	(1983)	(1963)	(1983)	453	(1963)
(1983)	(1983)	(1963)	(1983)	503	(1963)

GREEN RIVER BASIN

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1947 - 2003	
ANNUAL TOTAL	603,319		1,023,229		4,266	
ANNUAL MEAN	1,653		2,803		7,783	
HIGHEST ANNUAL MEAN					1,457	
LOWEST ANNUAL MEAN					38,500	
HIGHEST DAILY MEAN	7,120	May 23	19,000	Jun 3	1984	1963
LOWEST DAILY MEAN	806	Sep 6	918	Oct 1	May 18, 1984	
ANNUAL SEVEN-DAY MINIMUM	819	Sep 2	985	Aug 13	260	Aug 2, 1963
ANNUAL RUNOFF (AC-FT)	1,197,000		2,030,000		296	Oct 9, 1963
10 PERCENT EXCEEDS	3,270		6,400		3,091,000	
50 PERCENT EXCEEDS	1,220		1,260		10,500	
90 PERCENT EXCEEDS	843		1,040		2,700	
					1,080	

e Estimated

